

007

# Purchase Order Receipt Listing

Thursday, July 20, 2017 2:43:19 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO36887 Receipt Dates from 7/20/2017 to 7/20/2017 All Line Item Types  
All Item ID/GL/WOs All Rec. Employees All Currencies  
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID/Vendor Name VU-MET002 A.M. Castle & Co. (Canada) Inc.- C/O 910720											
PO36887	1		M7075T6S1.000X2.5 f 2.5 DAS 5		7/24/2017 12.0000	7/20/2017	12.0000		0.0000	0	\$0.00
USD	No		7075-T6S Sheet 2.5" f Wide x 1" Thick Plate m138086		12.0000	PLOU01			0.0000	0	
	2		M7075T6S1.500X1.5 f 1.5 DAS 5		7/24/2017 12.0000	7/20/2017	12.0000		0.0000	0	\$0.00
	No		7075-T6S Sheet 1.5" f Wide x 1.5" Thick Plate m138086		12.0000	PLOU01			0.0000	0	
	3		M7075T6S.375X5.00 f 5 DAS 5		7/24/2017 24.0000	7/20/2017	24.0000		0.0000	0	\$0.00
	No		7075-T6 Sheet 5" f Wide x .375" Thick Plate m138086		24.0000	PLOU01			0.0000	0	
	4		M7075T6S1.000X5.0 f 5 DAS 5		7/24/2017 12.0000	7/20/2017	12.0000		0.0000	0	\$0.00
	No		7075-T6 Sheet 5" f Wide x 1" Thick Plate m138086		12.0000	PLOU01			0.0000	0	
	5		M7075T73B3.000X4. f 5 DAS 5		7/24/2017 8.0000	7/20/2017	8.0000		0.0000	0	\$0.00
	No		7075-T73 Bar 3.0 x 4.0 grain direction along 3" m138086		8.0000	PLOU01			0.0000	0	

Total Received Quantity: 68.0000  
Total Qty to Inspect (PO U/M): 0.0000  
Total Reject Quantity: 0.0000  
Total Receipt Value: \$0.00  
Total Balance Due Quantity: 0.0000

**INTERORG TRANSFER  
PACKING SLIP/  
CERTIFICATE OF CONFORMANCE**

Page 1 of 2

Shipment No:3329949

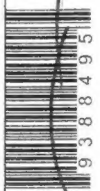
<b>Ship From:</b> A. M. CASTLE & CO. 3050 S HYDRAULIC WICHITA, KS 67216 USA		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 13-JUL-17	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> ABF	<b>BOL No</b> 3329949-2			

**Shipment Details**

Order No	Line No	Item No	Description
4816985	2	750412.MO	1.5000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000 CUT LENGTH TO 1.5 IN ( + .1250/- .0000 IN ) X 144.5 IN ( ) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
<b>Purchase Order No</b> 36887	<b>Part Number</b>	<b>Ordered Qty</b> 1.00 PCS	<b>Invoice Qty</b> 1.00 PCS

**Details**

ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY  
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S  
Email P/s and certs to: clavoie@artaero.com  
END USER: DART AEROSPACE  
END USE: COMMERCIAL AIRCRAFT PARTS

<b>Delivery No.</b> 121179012	<b>Mill</b>	<b>Heat Number</b>  93884951	<b>Mech Id</b> 1	<b>PCS</b> 1	<b>Width (IN)</b>	<b>Length (IN)</b>	<b>Shipped Qty(LBS)</b> 33.5163
----------------------------------	-------------	---	---------------------	-----------------	-------------------	--------------------	------------------------------------

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

Date Printed: 13-JUL-2017 01:33:20 PM

INTERORG TRANSFER  
PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castile Metals Representative:	Date: Name:

*Amirson R. Lopez*  
A.M. Castle & Co.  
1305 P.A. Cr.  
K-40 KS

8817-7-20



**Constellium**



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O

A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

S  
O  
L  
D  
T  
O

A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110539777		4075		INCLUSION		Serial:20170527-0110539777		Pg 1of2	
CUSTOMER PURCHASE ORDER NO. & ITEM 420827						Constellium ORDER NO. 204516					
ALLOY 7075		CLAD		TEMPER T651		GAUGE 1.50000 in 38.10 mm		WIDTH 48.50000 in 1,232 mm		LENGTH 144.50000 in 3,670 mm	
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER 750412				B/L NUMBER 81405				DATE SHIPPED 05/29/2017			
WT. SHIPPED 4200.000 LB				NO. OF PIECES 000004				GOVT. CONTRACT NO.			
										Steve Good - Laboratory Manager	

**CERTIFICATION**  
"Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination."  
Constellium Rolled Products Ravenswood, LLC  
859 Century Road  
P.O. BOX 68  
RAVENSWOOD, WV 26164 USA

*Steve Good*

**ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:**

ASTM B594 REV 13 2013 100% SONIC W/ 0.125"DEADZONE Class A  
AMS 4045K  
AMS STD-2454A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE  
ASTM B209-14  
BSS-7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE  
CST1006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE  
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE  
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE  
PS 21211P 2010 CLASS A 100% SONIC MINUS DEADZONE

DAS  
5  
9-89

**Load Details**

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001522467	1,050.000	476.272	9388495	01		
1001522467	1,050.000	476.272	9388495	02		
1001522467	1,050.000	476.272	9388495	03		
1001522467	1,050.000	476.272	9388495	04		

**Lot: 9388495**

**Tensile - Room Temperature (US)**

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	80.7	81.3	69.8	71.4	12.0	12.0	





**Constellium**



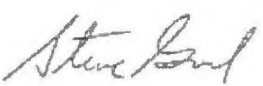
**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
  
T  
O

A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

S  
O  
L  
D  
  
T  
O

A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110539777		4075		INCLUSION		Serial:20170527-0110539777		Pg 2of2	
CUSTOMER PURCHASE ORDER NO. & ITEM 420827						Constellium ORDER NO. 204516					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.50000 in 38.10 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm		<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS QQ-A-250/12A											
PART NUMBER 750412		B/L NUMBER 81405		DATE SHIPPED 05/29/2017							
WT. SHIPPED 4200.000 LB		NO. OF PIECES 000004		GOVT. CONTRACT NO.							

**Tensile - Room Temperature (SI)**

		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report	
Direction	Tests	Min	Max	Min	Max	Min	Max		
LT	02	556	561	481	492	12.0	12.0		

**Chemistry (Actual)**

	SI	FE	CU	MN	MG	CR	ZN	TI	ZR
Core	0.08	0.18	1.41	0.04	2.63	0.21	5.50	0.03	0.00

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

QUALITY TEXTS:  
AMC CA-15403A R 7

THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY OES: ARKSPARK

CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT

WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399

WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557

DUNS Number: 090570149; CAGE Code: 1YWL9

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.

"END OF CERTIFICATION"



# INTERORG TRANSFER PACKING SLIP/ CERTIFICATE OF CONFORMANCE

Page 1 of 2

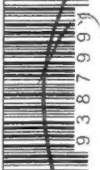
Shipment No:3329949

<b>Ship From:</b> A. M. CASTLE & CO. 3050 S HYDRAULIC WICHITA, KS 67216 USA		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 13-JUL-17	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> ABF	<b>BOL No</b> 3329949-2			

## Shipment Details

Order No	Line No	Item No	Description
4816985	1	752188.MO	1.0000.PL.7075.T651.ALUMINUM.US1.48.5000.144.5000 CUT LENGTH TO 2.5 IN ( + .1250/- .0000 IN) X 144.5 IN ( ) ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
<b>Purchase Order No</b> 36887	<b>Part Number</b>	<b>Ordered Qty</b> 1.00 PCS	<b>Invoice Qty</b> 1.00 PCS

**Details**  
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY  
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S  
Email P/s and certs to: clavoie@artaero.com  
END USER: DART AEROSPACE  
END USE: COMMERCIAL AIRCRAFT PARTS

Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
121179012		 9387991		1			37.6174

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.


These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

Date Printed: 13-JUL-2017 01:33:20 PM

INTERORG TRANSFER  
PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	

*Am. R. Taylor*  
  
A.M. Castle & Co.  
L-40 KE

Date: Name:

817-7-20






**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O

A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

S  
O  
L  
D  
T  
O

A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110539772		4075		INCLUSION		Serial:20170527-0110539772		Pg 1of4	
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735					
ALLOY 7075	CLAD	TEMPER T651	GUAGE 1.00000 in 25.40 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm	<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager					
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4045K											
PART NUMBER 752188		B/L NUMBER 81388		DATE SHIPPED 05/29/2017							
WT. SHIPPED 5770.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.							

**ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:**

ASTM B594 REV 13 2013 100% SONIC W/ 0.125" DEADZONE Class A  
AMS QQ-A-250/12A  
AMS STD 8154A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE  
ASTM B209-T4  
BSS 7055B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE  
CST1006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE  
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE  
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE  
PS 2121P 2010 CLASS A 100% SONIC MINUS DEADZONE

**Load Details**

Package	Net Lbs	Kg	Lot	Piece	Serial	Parent Lot
1001522455	725.000	328.854	9387991	01		
1001522455	725.000	328.854	9387991	02		
1001522455	725.000	328.854	9387991	03		
1001522460	725.000	328.854	9387992	01		
1001522460	725.000	328.854	9387992	02		
1001522460	725.000	328.854	9387992	03		
1001522466	710.000	322.050	9387993	01		
1001522466	710.000	322.050	9387993	02		

**Lot: 9387991**

**Tensile - Room Temperature (US)**

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	79.8	80.5	70.1	72.3	13.0	13.0	







**Constellium**



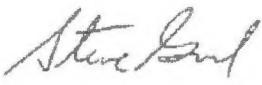
**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O

A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

S  
O  
L  
D  
T  
O

A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110539772		4075		INCLUSION		Serial:20170527-0110539772		Pg 2of4																												
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735			<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager																													
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.00000 in 25.40 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm																																	
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH																																						
CUSTOMER SPECIFICATION AMS 4045K																																						
PART NUMBER 752188			B/L NUMBER 81388		DATE SHIPPED 05/29/2017																																	
WT. SHIPPED 5770.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.																																		
<b>Tensile - Room Temperature (SI)</b> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (N/MM2)</th> <th colspan="2">Yield (N/MM2)</th> <th colspan="2">Elongation (%)</th> <th>Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>550</td> <td>555</td> <td>483</td> <td>498</td> <td>13.0</td> <td>13.0</td> <td></td> </tr> </tbody> </table>														Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report	Direction	Tests	Min	Max	Min	Max	Min	Max		LT	02	550	555	483	498	13.0	13.0	
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report																														
Direction	Tests	Min	Max	Min	Max	Min	Max																															
LT	02	550	555	483	498	13.0	13.0																															
<b>Chemistry (Actual)</b> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th></th> <th>SI</th> <th>FE</th> <th>CU</th> <th>MN</th> <th>MG</th> <th>CR</th> <th>ZN</th> <th>TI</th> <th>ZR</th> </tr> </thead> <tbody> <tr> <td>Core</td> <td>0.05</td> <td>0.16</td> <td>1.38</td> <td>0.03</td> <td>2.48</td> <td>0.20</td> <td>5.45</td> <td>0.04</td> <td>0.01</td> </tr> </tbody> </table>													SI	FE	CU	MN	MG	CR	ZN	TI	ZR	Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01							
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR																													
Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01																													
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																																						
All material contained in this lot was cast and manufactured in the USA																																						
<b>Lot: 9387992</b>																																						
<b>Tensile - Room Temperature (US)</b> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (KSI)</th> <th colspan="2">Yield (KSI)</th> <th colspan="2">Elongation (%)</th> <th>Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>80.3</td> <td>80.6</td> <td>71.5</td> <td>72.0</td> <td>12.5</td> <td>13.5</td> <td></td> </tr> </tbody> </table>														Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report	Direction	Tests	Min	Max	Min	Max	Min	Max		LT	02	80.3	80.6	71.5	72.0	12.5	13.5	
		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report																														
Direction	Tests	Min	Max	Min	Max	Min	Max																															
LT	02	80.3	80.6	71.5	72.0	12.5	13.5																															





**Constellium**



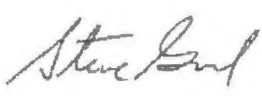
**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O

A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

S  
O  
L  
D  
T  
O

A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110539772		4075		INCLUSION		Serial: 20170527-0110539772		Pg 3 of 4																												
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735			<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager																													
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.00000 in 25.40 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm																																	
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH																																						
CUSTOMER SPECIFICATION AMS 4045K																																						
PART NUMBER 752188			B/L NUMBER 81388		DATE SHIPPED 05/29/2017																																	
WT. SHIPPED 5770.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.																																		
<b>Tensile - Room Temperature (SI)</b> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (N/MM2)</th> <th colspan="2">Yield (N/MM2)</th> <th colspan="2">Elongation (%)</th> <th>Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>554</td> <td>556</td> <td>493</td> <td>496</td> <td>12.5</td> <td>13.5</td> <td></td> </tr> </tbody> </table>														Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report	Direction	Tests	Min	Max	Min	Max	Min	Max		LT	02	554	556	493	496	12.5	13.5	
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report																														
Direction	Tests	Min	Max	Min	Max	Min	Max																															
LT	02	554	556	493	496	12.5	13.5																															
<b>Chemistry (Actual)</b> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th></th> <th>SI</th> <th>FE</th> <th>CU</th> <th>MN</th> <th>MG</th> <th>CR</th> <th>ZN</th> <th>TI</th> <th>ZR</th> </tr> </thead> <tbody> <tr> <td>Core</td> <td>0.05</td> <td>0.16</td> <td>1.38</td> <td>0.03</td> <td>2.48</td> <td>0.20</td> <td>5.45</td> <td>0.04</td> <td>0.01</td> </tr> </tbody> </table>													SI	FE	CU	MN	MG	CR	ZN	TI	ZR	Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01							
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR																													
Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01																													
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																																						
All material contained in this lot was cast and manufactured in the USA																																						
<b>Lot: 9387993</b>																																						
<b>Tensile - Room Temperature (US)</b> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (KSI)</th> <th colspan="2">Yield (KSI)</th> <th colspan="2">Elongation (%)</th> <th>Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>79.9</td> <td>80.8</td> <td>70.4</td> <td>71.5</td> <td>13.0</td> <td>13.5</td> <td></td> </tr> </tbody> </table>														Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report	Direction	Tests	Min	Max	Min	Max	Min	Max		LT	02	79.9	80.8	70.4	71.5	13.0	13.5	
		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report																														
Direction	Tests	Min	Max	Min	Max	Min	Max																															
LT	02	79.9	80.8	70.4	71.5	13.0	13.5																															





**Constellium**




**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O

A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

S  
O  
L  
D  
T  
O

A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110539772		4075		INCLUSION		Serial: 20170527-0110539772		Pg 4of4																															
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735			<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager																																
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.00000 in 25.40 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm																																				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH																																									
CUSTOMER SPECIFICATION AMS 4045K																																									
PART NUMBER 752188			B/L NUMBER 81388		DATE SHIPPED 05/29/2017																																				
WT. SHIPPED 5770.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.																																					
<b>Tensile - Room Temperature (SI)</b> <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th colspan="2"></th> <th colspan="2">Ultimate (N/MM2)</th> <th colspan="2">Yield (N/MM2)</th> <th colspan="2">Elongation (%)</th> <th colspan="2">Report</th> </tr> <tr> <th>Direction</th> <th>Tests</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th>Min</th> <th>Max</th> <th colspan="2"></th> </tr> </thead> <tbody> <tr> <td>LT</td> <td>02</td> <td>551</td> <td>557</td> <td>485</td> <td>493</td> <td>13.0</td> <td>13.5</td> <td colspan="2"></td> </tr> </tbody> </table>														Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report		Direction	Tests	Min	Max	Min	Max	Min	Max			LT	02	551	557	485	493	13.0	13.5		
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report																																	
Direction	Tests	Min	Max	Min	Max	Min	Max																																		
LT	02	551	557	485	493	13.0	13.5																																		
<b>Chemistry (Actual)</b> <table style="width:100%; margin-top: 5px;"> <tr> <td></td> <td>SI</td> <td>FE</td> <td>CU</td> <td>MN</td> <td>MG</td> <td>CR</td> <td>ZN</td> <td>TI</td> <td>ZR</td> </tr> <tr> <td>Core</td> <td>0.05</td> <td>0.16</td> <td>1.38</td> <td>0.03</td> <td>2.48</td> <td>0.20</td> <td>5.45</td> <td>0.04</td> <td>0.01</td> </tr> </table>													SI	FE	CU	MN	MG	CR	ZN	TI	ZR	Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01										
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR																																
Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01																																
OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER																																									
All material contained in this lot was cast and manufactured in the USA																																									
QUALITY TEXTS: AMC CA-15403 R 8																																									
THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. CHEMISTRY BY OES: ARKSPARK CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8; B557 DUNS Number: 090570149; CAGE Code: 1YWL9  Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product. "END OF CERTIFICATION"																																									




**INTERORG TRANSFER  
PACKING SLIP/  
CERTIFICATE OF CONFORMANCE**

Page 1 of 2

<b>Ship From:</b> A. M. CASTLE & CO. 14001 ORANGE AVENUE PARAMOUNT, CA 90723 USA		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 07-JUL-17		<b>F.O.B.</b> ORIGIN		<b>Freight Terms</b> Prepaid		<b>Carrier</b> UPS	
						<b>BOL No</b> 3325226-2	

Shipment No: 3325226

Shipment Details			
Order No	Line No	Item No	Description
4816985	6	752132.MO	4.0000.PL.7075.17331.ALUMINUM.USI.48.5000.144.5000 CUT LENGTH TO 48.5 IN ( (GRAIN TO RUN ALONG 3")) X 3 IN ( + .1250/- .0000 IN (GRAIN TO RUN ALONG 3")) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
<b>Purchase Order No</b> 36887		<b>Part Number</b>	<b>Ordered Qty</b> 2.00 PCS
<b>Details</b>		<b>Invoice Qty</b> 2.00 PCS	
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS			

<b>Delivery No.</b> 121167276	<b>Mill</b>	<b>Heat Number</b>  22950486	<b>Mech Id</b> DAS 5 9-89	<b>PCS</b> 2	<b>Width (IN)</b>	<b>Length (IN)</b>	<b>Shipped Qty(LBS)</b> 120.6208
----------------------------------	-------------	---	------------------------------	-----------------	-------------------	--------------------	-------------------------------------

887720

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

Date Printed: 07-JUL-2017 04:08:29 PM

INTERORG TRANSFER  
PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castile & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.

Reviewed by Authorized Castile Metals Representative:

Date:

Name:

SPR-7-20



Castle Metals®

# INTRA-COMPANY TRANSFER PROFORMA INVOICE

<b>Vendor (Name and Address)</b> A.M. Castle & Co. - LOS ANGELES - CASTLE METALS A. M. Castle & Co. 14001 ORANGE AVENUE PARAMOUNT, CA 90723		<b>Date of Direct Shipment</b> 12-JUL-17	
<b>Consignee (Name and Address)</b> A.M. Castle & Co. - TORONTO - CASTLE METALS A. M. Castle & Co. (Canada) Inc. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7		<b>Other References (Include Bill of Lading No.)</b> 3325226-2	
<b>Tax Registration Number:</b> 36-0879160		<b>Purchaser (Name and Address)</b> A.M. Castle & Co. - TORONTO - CASTLE METALS A. M. Castle & Co. (Canada) Inc. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7	
<b>Tax Registration Number:</b> 13835 3438 RC0001		<b>Tax Registration Number:</b> 13835 3438 RC0001	
<b>Transportation</b> UPS		<b>Conditions of Sale and Terms of Payment</b> 1% 10, NET 30	
<b>INCO Term:</b> DDP - MISSISSAUGA, ON, L5N 2K7, CAN		<b>Currency of Settlement</b> USD	

Place PRO Number Here

Item	Specs of Commodities				Tariff Code		Export License		ECCN	ITAR	
	Order-Line-Ship	# Pkgs.	Weight	Heat	Country of Origin	Units	UOM	Price per Unit		Total Price	
752132.MO	4.0000,PL.7075.17351.ALUMINUM.USA	48.5000	144.5000		7606123030		NLR				
	4816985-6-1	1	120.62 LBS	229504B6	US	2.00	PCS	EAR99	\$2.5305	N/A	\$305.22

<b>Invoice Package Total</b>	<b>Total Weights</b>	<b>Invoice Total</b>
1	Net 120.62 Gross 142.62	\$305.22
<b>* Price per UOM and Total Price have been adjusted to include Processing and Handling Charges if applicable.</b>		
<b>Originator (Name and Address)</b> A.M. Castle & Co. - Los Angeles 14001 ORANGE AVENUE 050372550 PARAMOUNT, CA 90723UNITED STATES		
<b>Signature:</b>		

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

## SHIP TO:

A M CASTLE & CO  
14001 ORANGE AVE  
P.O. BOX 1402  
PARAMOUNT, CA 90723

# KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number

4466591

## SOLD TO:

AM CASTLE & CO- SOLD TO  
1420 KENSINGTON RD  
SUITE 220  
OAK BROOK, IL 60523

CUSTOMER PO NUMBER: 424640-1	WORK PACKAGE:	CUSTOMER PART NUMBER: 752132	SHIP RUN/LOAD: 103951/20	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1237311-1	SHIP DATE: 13-JUN-2017	ALLOY: 7075	CLAD: BARE	TEMPER: T7351
PRODUCT DESCRIPTION: KaiserSelect Plate	WEIGHT SHIPPED: 5686 LB	QUANTITY: 2 PCS EST.	TRUCK B/L #: 2067360	GAUGE: 4.0000 IN (101.6000 MM)
DIAMETER/WIDTH: 48.500 IN (1231.8 MM)	LENGTH: 144.500 IN (3670.3 MM)			

MHU 2117771: LOT 799486A6: 1 pieces;

MHU 2122630: LOT 229504B6: 1 pieces;

### Certified Specifications

AMS 4078/RevJ  
ASTM B 209/Rev14  
BSS 7055/RevB  
DPS 4.713/RevAK  
MMS 159/RevT

AMS-QQ-A-250/12/RevA  
ASTM B 594/Rev13  
CMMP 025/RevV  
GAMPS 9101/RevB/AmdSCN1  
PS 21211/RevP

AMS-STD-2154/RevA  
BAC 5439/RevJ  
CSTI 006/RevE  
GSS16100/RevG/Amd1

DAS Test Code: 4297

5  
9-89

Lot: 229504B6

Cast 472

Drop 29

### Test Results

Ingot 5

Melted in USA

(ASTM E8/B557)  
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T7351	LT / 2 (Min:Max)	62.9 : 63.9 (434 : 441)	49.6 : 50.6 (342 : 349)	10.6 : 10.7

(ASTM E1004)  
(EN 2004-1)

Conductivity %IACS :	41.3 Min	41.3 Max
(MS/M) :	24.0 Min	24.0 Max

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.15	1.5	0.03	2.4	0.20	5.5	0.03	0.01	0.02	TOT 0.05







Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
4466591

Lot: 799486A6    Cast 407    Drop 62    Ingot 5    Parent Lot: 217423B3    Melted in USA

(ASTM E8/B557)  
(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T7351	LT / 2 (Min:Max)	61.7 : 63.9 (425 : 441)	48.4 : 50.8 (334 : 350)	10.9 : 11.1

(ASTM E1004)  
(EN 2004-1)

Conductivity %IACS :	42.2 Min	42.6 Max
(MS/M) :	24.5 Min	24.7 Max

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.07	0.17	1.5	0.02	2.5	0.21	6.0	0.03	0.01	0.02	TOT 0.06

### ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

### ORDER COMMENTS

AMC CA-15413E R 6

### TEST NOTES

Metal represented by this test report was 100% Type I  
(immersion) ultrasonically tested from one side with 3mm  
dead zones top and bottom and meets the Class A and Class B  
requirements of all specifications referenced on this test  
report. No surface marking of sonic indications is  
performed.

### CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- \* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- \* All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- \* was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- \* has been thermally processed in compliance with AMS 2772, where applicable.
- \* is mercury free, within the limits of detection of ASTM E1216 (< 1ppm).
- \* is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- \* is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- \* is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- \* is free of weld repair.
- \* meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER


# INTERORG TRANSFER PACKING SLIP/ CERTIFICATE OF CONFORMANCE

Page 1 of 2

Shipment No:3329949

<b>Ship From:</b> A. M. CASTLE & CO. 3050 S HYDRAULIC WICHITA, KS 67216 USA		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 13-JUL-17		<b>F.O.B.</b> ORIGIN		<b>Freight Terms</b> Prepaid		<b>Carrier</b> ABF	
		<b>BOL No</b> 3329949-2					

## Shipment Details

Order No	Line No	Item No	Description	Ordered Qty	Invoice Qty		
4816985	4	752188.MO	1.0000.PL.7075.T651.ALUMINUM.USI.48.5000.144.5000 CUT LENGTH TO 5 IN ( + .1250/- .0000 IN) X 144.5 IN ( ) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12	1.00 PCS	1.00 PCS		
<b>Purchase Order No</b> 36887 <b>Part Number</b> <b>Details</b> ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS							
<b>Delivery No.</b> 121179012	<b>Mill</b>	<b>Heat Number</b>  DAS 5 9-89	<b>Mech Id</b> 1	<b>PCS</b> 1	<b>Width (IN)</b>	<b>Length (IN)</b>	<b>Shipped Qty(LBS)</b> 75.2348

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

Date Printed: 13-JUL-2017 01:33:20 PM

INTERORG TRANSFER  
PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to M. Casile & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Casile Metals Representative	

*Andrew R. Hayes*  
President  
M. Casile & Co.

Date: Name:

8017-7-20



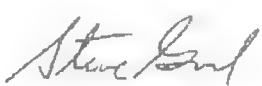
**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O

A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

S  
H  
I  
P  
T  
O

A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110539772		4075		INCLUSION		Serial:20170527-0110539772		Pg 1 of 4	
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735					
ALLOY 7075	CLAD	TEMPER T651	GUAGE 1.0000 in 25.40 mm	WIDTH 48.5000 in 1232 mm	LENGTH 144.5000 in 3670 mm	<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager					
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4045K											
PART NUMBER 752188		B/L NUMBER 81388		DATE SHIPPED 05/29/2017							
WT. SHIPPED 5770.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.							

**ALL LOTS ON THIS CERTIFICATION ALSO CONFORM TO THE FOLLOWING REQUIREMENTS:**

ASTM B594 REV 13 2013 100% SONIC W/ 0.125" DEADZONE Class A  
AMS QQ-A-250/12A  
AMS STD-2154A 2012 TYPE1 CLASS A 100% SONIC MINUS DEADZONE  
ASTM B209-14  
BSS 7066B 2013 CLASS A 100% SONIC TESTED MINUS DEADZONE  
CST1006 REV E 2011 CLASS A 100% SONIC MINUS DEADZONE  
DPS 4.713 REV AK 2012 CLASS A 100% SONIC MINUS DEADZONE  
GAMPS 9101 REV B 2006 CLASS A 100% SONIC MINUS DEADZONE  
PS 2121P 2010 CLASS A 100% SONIC MINUS DEADZONE

**Load Details**

Package	Net Lbs	Kg	Lot	5 9-89 Piece	Serial	Parent Lot
1001522455	725.000	328.854	9387991	01		
1001522455	725.000	328.854	9387991	02		
1001522455	725.000	328.854	9387991	03		
1001522460	725.000	328.854	9387992	01		
1001522460	725.000	328.854	9387992	02		
1001522460	725.000	328.854	9387992	03		
1001522466	710.000	322.050	9387993	01		
1001522466	710.000	322.050	9387993	02		

**Lot: 9387991**

**Tensile - Room Temperature (US)**

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	79.8	80.5	70.1	72.3	13.0	13.0	





**Constellium**




**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O

A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

S  
O  
L  
D  
T  
O

A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110539772		4075		INCLUSION		Serial: 20170527-0110539772		Pg 2 of 4	
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735					
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1 00000 in 25.40 mm	WIDTH 48 50000 in 1,232 mm	LENGTH 144 50000 in 3,670 mm		<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager				
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4045K											
PART NUMBER 752188		B/L NUMBER 81388		DATE SHIPPED 05/29/2017							
WT. SHIPPED 5770 000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.							

**Tensile - Room Temperature (SI)**

Direction	Tests	Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	550	555	483	498	13.0	13.0	

**Chemistry (Actual)**

	SI	FE	CU	MN	MG	CR	ZN	TI	ZR
Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

**Lot: 9387992**

**Tensile - Room Temperature (US)**

Direction	Tests	Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
		Min	Max	Min	Max	Min	Max	
LT	02	80.3	80.6	71.5	72.0	12.5	13.5	





**Constellium**



**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC


S  
H  
I  
P  
T  
O

A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

S  
O  
L  
D  
T  
O

A M CASTLE

1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110539772		4075		INCLUSION		Serial: 20170527-0110539772		Pg 3 of 4	
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735			<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager		
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.00000 in 25.40 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm						
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4045K											
PART NUMBER 752188			B/L NUMBER 81388		DATE SHIPPED 05/29/2017						
WT. SHIPPED 5770.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.							

Tensile - Room Temperature (SI)								
		Ultimate (N/MM2)		Yield (N/MM2)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	554	556	493	496	12.5	13.5	

Chemistry (Actual)									
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR
Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

**Lot: 9387993**

Tensile - Room Temperature (US)								
		Ultimate (KSI)		Yield (KSI)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	79.9	80.8	70.4	71.5	13.0	13.5	





**Constellium**



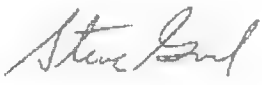
**CERTIFIED TEST REPORT**  
Constellium Rolled Products  
Ravenswood, LLC

S  
H  
I  
P  
T  
O

A M CASTLE CO  
3050 SO HYDRAULIC  
WICHITA KS  
67216  
US

S  
O  
L  
D  
T  
O

A M CASTLE  
1420 KENSINGTON ROAD, SUITE 220  
OAK BROOK IL  
60523  
US

A M CASTLE		110539772		4075		INCLUSION		Serial: 20170527-0110539772		Pg 4 of 4	
CUSTOMER PURCHASE ORDER NO. & ITEM 419757						Constellium ORDER NO. 203735			<b>CERTIFICATION</b> "Constellium Rolled Products, hereby certifies that metal shipped under this order has been inspected and found in conformance with the requirements of the applicable specifications as indicated herein. Any warranty is limited to that shown on Constellium Rolled Products' standard General Terms and Conditions of Sales. Test reports are on file, subject to examination." Constellium Rolled Products Ravenswood, LLC 859 Century Road P.O. BOX 68 RAVENSWOOD, WV 26164 USA    Steve Good - Laboratory Manager		
ALLOY 7075	CLAD	TEMPER T651	GAUGE 1.00000 in 25.40 mm	WIDTH 48.50000 in 1,232 mm	LENGTH 144.50000 in 3,670 mm						
ITEM ORDERED SPEC PLATE, SAWED MILL FINISH											
CUSTOMER SPECIFICATION AMS 4045K											
PART NUMBER 752188			B/L NUMBER 81388		DATE SHIPPED 05/29/2017						
WT. SHIPPED 5770.000 LB		NO. OF PIECES 000008		GOVT. CONTRACT NO.							

Tensile - Room Temperature (SI)								
Ultimate (N/MM2)				Yield (N/MM2)		Elongation (%)		Report
Direction	Tests	Min	Max	Min	Max	Min	Max	
LT	02	551	557	485	493	13.0	13.5	

Chemistry (Actual)									
	SI	FE	CU	MN	MG	CR	ZN	TI	ZR
Core	0.05	0.16	1.38	0.03	2.48	0.20	5.45	0.04	0.01

OTHERS-EACH: .05 MAX. OTHERS TOTAL: .15 MAX. AL REMAINDER

All material contained in this lot was cast and manufactured in the USA

QUALITY TEXTS:  
AMC CA-15403 R 8

THIS TEST REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF THE LABORATORY OR AUTHORIZED QUALITY DELEGATE. THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW.

CHEMISTRY BY OES: ARKSPARK  
 CHEMISTRIES REPORTED IN PERCENTAGE BY WEIGHT  
 WHEN FRACTURE TOUGHNESS TEST REQUIRED, TESTED PER ASTM E399  
 WHEN TENSILE TEST REQUIRED, TESTED PER ASTM E8: B557  
 DUNS Number: 090570149; CAGE Code: 1YWLG

Mercury is not a normal contaminant in aluminum alloys and neither mercury nor any of its compounds were utilized in the manufacture of our product.

"END OF CERTIFICATION"





**INTERORG TRANSFER  
PACKING SLIP/  
CERTIFICATE OF CONFORMANCE**

Page 1 of 2

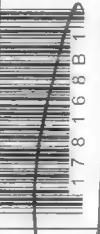
Shipment No:3329949

<b>Ship From:</b> A. M. CASTLE & CO. 3050 S HYDRAULIC WICHITA, KS 67216 USA		<b>Sold To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		<b>Ship To:</b> A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		<b>Deliver To:</b> DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
<b>Date Shipped</b> 13-JUL-17	<b>F.O.B.</b> ORIGIN	<b>Freight Terms</b> Prepaid	<b>Carrier</b> ABF	<b>BOL No</b> 3329949-2			

<b>Shipment Details</b>	<b>Final Destination Branch - TOR</b>
-------------------------	---------------------------------------

Order No	Line No	Item No	Description
4816985	3	750067.MO	0.3750.PL.7075.T651.ALUMINUM.48.5000.144.5000 CUT LENGTH TO 5 IN ( + .1250/- .0000 IN) X 144.5 IN ( ) - ALUMINUM PLATE SAW SPECIFICATIONS: AMS-QQ-A-250/12
<b>Purchase Order No</b> 36887	<b>Part Number</b>		<b>Ordered Qty</b> 2.00 PCS
		<b>Invoice Qty</b> 2.00 PCS	

**Details**  
ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY  
ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #S  
Email P/s and certs to: clavoie@dartaero.com  
END USER: DART AEROSPACE  
END USE: COMMERCIAL AIRCRAFT PARTS

Delivery No.	Mill	Heat Number	Mech Id	PCS	Width (IN)	Length (IN)	Shipped Qty(LBS)
121179012		 <b>DAS 5</b> 178168B11		2			56.7726

88777-20

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. Government or as otherwise authorized by U.S. law and regulations.

Date Printed: 13-JUL-2017 01:33:20 PM

INTERORG TRANSFER  
PACKING SLIP/  
CERTIFICATE OF CONFORMANCE

Page 2 of 2

We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Seale & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.	
Reviewed by Authorized Castle Metals Representative:	

*Am. Seale & Co.*  


Date: Name:

SP17-7-20

## SHIP TO:

A M CASTLE & CO  
3050 SOUTH HYDRAULIC  
WICHITA, KS 67216

# KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215

Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number

4431950

## SOLD TO:

AM CASTLE & CO- SOLD TO  
1420 KENSINGTON RD  
SUITE 220  
OAK BROOK, IL 60523

CUSTOMER PO NUMBER: 385598-1	WORK PACKAGE:	CUSTOMER PART NUMBER: 750067	SHIP RUN/LOAD: 103675/8	GOV'T CONTRACT NUMBER:
KAISER ORDER NO: 1215472-1	SHIP DATE: 5-SEP-2016	ALLOY: 7075	CLAD: BARE	TEMPER: T651
PRODUCT DESCRIPTION: Sawed Plate	WEIGHT SHIPPED: 3332 LB	QUANTITY: 12 PCS EST.	TRUCK B/L #: 2062279	GAUGE: 0.3750 IN (9.5250 MM)
DIAMETER/WIDTH: 48.500 IN (1231.9 MM)	LENGTH: 144.500 IN (3670.3 MM)			

MHU 2026201: LOT 178168B1: 12 pieces;

## Certified Specifications

AMS 4045/RevL

CMMP 025/RevV

AMS-QQ-A-250/12/RevA

ASTM B 209:Rev14

Test Code: 1512

Lot: 178168B1

Cast 211

Drop 65

## Test Results

Ingot 1

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T651	LT / 2 (Min:Max)	85.1 : 85.8 (587 : 590)	75.6 : 76.2 (521 : 525)	12.8 : 13.6

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.17	1.5	0.03	2.5	0.19	5.7	0.03	0.01	0.01	TOT 0.05

## ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
7075												
MIN(wt%)	0.00	0.00	1.2	0.00	2.1	0.18	5.1	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.05	TOT	0.15

Aluminum Remainder

## ORDER COMMENTS

AMC CA-15409 R 3

# KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215  
Phone: (800) 367-2586

## CERTIFIED TEST REPORT

Serial Number  
4431950

### CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- \* has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated hereon.
- \* All test equipment and measuring devices are calibrated and certified in accordance with applicable specifications. For material thicknesses outside specification limits, thickness measurements are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured by elongation at fracture.
- \* was melted in the United States of America or a qualifying country per QPAAS 225-872-1(a), was manufactured in the United States of America, and meets the requirements of QPAAS 225-872-1(a) for domestic consumption.
- \* has been thermally processed in compliance with AMS 2772, where applicable.
- \* is mercury free, within the limits of detection of ASTM E1215 (4 ppm).
- \* is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- \* is in compliance with European Chemical Agency, ECHA, REACH regulation (EC) No 1907/2006 and associated amendments and restrictions.
- \* is free of Conflict Minerals as defined in Section 15.2 of the Dodd-Frank Act.
- \* is free of weld repair.
- \* meets the reporting requirements of EN 10204 (Type 3.1).

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions. Test reports are not to be used for design or for any other purpose without the written approval of the Kaiser Aluminum laboratory. The numbering of test reports is for identification purposes only. Changes to test reports are not allowed without the written approval of the laboratory.



JAMES HEMENWAY, TECHNICAL PROCESS MANAGER



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017  
PO Print Date 6/29/2017

Page Number 1 of 5

Order From :

METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W OE9  
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

JUN 29 2017

Contact Name  
Vendor Phone

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency USD  
FOB Destination-Collect

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M7075T6S1.000X2.500	7075-T6S Sheet 2.5" Wide x 1" Thick Plate	7/24/2017 Yes 7/24/2017	FN	12.00 f	\$30.42	\$365.04

MAT'L 7075-T6/T62 ALUMINUM SHEET  
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET  
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Line Total: \$365.04

2	M7075T6S1.500X1.500	7075-T6S Sheet 1.5" Wide x 1.5" Thick Plate	7/24/2017 Yes 7/24/2017	FN	12.00 f	\$21.06	\$252.72
---	---------------------	--	-------------------------------	----	------------	---------	----------

MAT'L 7075-T6/T62 ALUMINUM SHEET  
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET  
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

SPR-720

Note:

6/29/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 2 of 5

**Order From :**

METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W OE9  
CANADA

VU-MET002

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

Destination-Collect

Line Total: \$252.72

3

M7075T6S.375X5.000

7075-T6 Sheet 5" Wide x  
375" Thick Plate

7/24/2017 FN

24.00

\$18.10

\$434.40

Yes

7/24/2017

MAT'L 7075-T6/T62 ALUMINUM SHEET  
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET  
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Line Total: \$434.40

4

M7075T6S1.000X5.000

7075-T6 Sheet 5" Wide x  
1" Thick Plate

7/24/2017 FN

12.00

\$21.75

\$261.00

Yes

7/24/2017

MAT'L 7075-T6/T62 ALUMINUM SHEET  
SPECS QQ-A-250/12 OR AMS-QQ-A-250/12 OR AMS 4045 OR PER ASTM B209

MAT'L 7075-T6/T62 ALCLAD ALUMINUM SHEET  
SPECS QQ-A-250/13 OR AMS-QQ-A-250/13 OR AMS 4049 OR PER ASTM B209

Line Total:

\$261.00

Note:

6/29/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO36887**

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 3 of 5

**Order From :**

METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W OE9  
CANADA

VU-MET002

**Ship To :** DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

USD

Destination-Collect

5	M7075T73B3.000X4.000	7075-T73 Bar 3.0 x 4.0 grain direction along 3"	7/24/2017	8.00	\$101.00	\$808.00
---	----------------------	--	-----------	------	----------	----------

Yes

f

7/24/2017

MATERIAL: 7075-T73/T7351/T73510/T73511 BAR AS PER AMS-QQ-A-200/11 OR AMS-QQ-A-225/9 OR AMS 4124 OR AMS-QQ-A-250/12 OR AMS 4078

NOTE: GRAIN DIRECTION MUST RUN ALONG 3" WIDE 2PCS CUT AT 4 FT LONG

Line Total:

\$808.00

6	D6101-005P	7075-T7351 8.25X5.0X2.5	7/24/2017	20.00	\$36.20	\$724.00
			Yes	Each		
			7/24/2017			

AS PER DWG D6101 REV B

B163265

SIZE: 5.00" X 8.250" X 2.50" THICK

GRAIN DIRECTION ALONG 5.00" LENGHT

MATERIAL: 7075-T7351 QQ-A-250/12

TOLERANCE AS PER QUOTE +.030"/-.000"

Line Total:

\$724.00

Note:

6/29/2017





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 4 of 5

Order From :

METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W OE9  
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

USD

FOB

Destination-Collect

7 D6102-013P 6061-T6 7.0X6.5X2.0 7/24/2017  
Yes  
7/24/2017

50.00 \$31.65 \$1,582.50  
Each

AS PER DWG D6102 REV. D  
B163266  
SIZE: 7.000" X 6.500" X 2.00" THICK  
GRAIN DIRECTION ALONG 6.500"  
MATERIAL 6061-T6/T6511 QQ-A-250/11  
TOLERANCE AS PER QUOTE +.030"/-.000

SP17-7-18

Line Total: \$1,582.50

8 D6103-003P Round Alum Billet 7/24/2017  
Yes  
7/24/2017

10.00 \$60.40 \$604.00  
Each

AS PER DWG D6103 REV. B  
B163267  
MATERIAL: 7075-T7351 AS PER QQ-A-225/9  
SIZE: 3.500" X 12.500" LONG

Recu 11x

SP17-7-6

Line Total: \$604.00

Note:

6/29/2017



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

# PURCHASE ORDER

Purchase Order ID PO36887

Purchase Order Date 6/29/2017  
PO Print Date 6/29/2017

Page Number 5 of 5

Order From :  
METAUX CASTLE  
P.O. BOX 4090 STN A  
TORONTO, ONTARIO M5W OE9  
CANADA

VU-MET002

Ship To : DART AEROSPACE LTD  
1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Contact Name  
Vendor Phone

Buyer Chantal Lavoie  
Customer POID  
Customer Tax # 10127-2607  
Terms Net 30  
Currency USD  
FOB Destination-Collect

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

9	D6104-005P	17-4 SS Roundbar 4.00"Od	7/24/2017 Yes 7/24/2017	10.00 Each	\$54.20	\$542.00
---	------------	--------------------------	-------------------------------	---------------	---------	----------

AS PER DWG D6104 REV. B  
B163268  
MATERIAL: 17-4 PH AS PER AMS 4643 OR AISI 630  
SIZE: 4.00" X 5.10" LONG

Line Total: \$542.00

10	71401-45	PROCUREMENT QUALITY CLAUSES	7/24/2017 No 7/24/2017	1.00	\$0.00	\$0.00
----	----------	--------------------------------	------------------------------	------	--------	--------

Procurement Quality Clauses  
A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)  
A026 certification of material conformance  
A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

Line Total: \$0.00

PO Total: \$5,573.66

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Change Nbr: 2

Change Date: 6/29/2017

## Chantal Lavoie

**From:** Desbiens, Marc <mdesbien@amcastle.com>  
**Sent:** Tuesday, June 27, 2017 4:42 PM  
**To:** Chantal Lavoie  
**Subject:** RE: quote

Hi Chantal,

price and delivery on material.

7075-t6 bar (plate) 1" x 2.5" x 12 ft \$ 30.42 FT 2-3 weeks  
7075-t6 bar (plate) 1.5" x 1.5" x 12 ft \$ 21.06 FT 2-3 weeks  
~~7075-t6 bar (plate) 2.250" x 2.750" x 12 ft Offer 2.50" thk \$ 45.85 FT 2-3 weeks~~  
~~7075-t6 bar (plate) 4" x 4" x 5 pcs cut at 32" \$ 254.00 piece (mid August)~~  
7075-t6 bar (plate) 5" x 0.375" x 24 ft \$ 18.10 FT 2-3 weeks  
7075-t6 bar (plate) 5" x 1" x 12 ft \$ 21.75 FT 2-3 weeks  
  
7075-t76 bar 3" x 4" x 2 pcs cut at 4 ft grain direction along 3"  
offer 7075-T73 \$ 404.00 piece 2-3 weeks

Thanks

Marc Desbiens  
Inside sales representative  
Castle Metals, Montreal, QC  
Direct line 514-795-8176  
1-800-806-6660 ext 52226  
Fax # 1-855-892-6370  
**Customized Supply Chain Solutions for Your Metal Needs**

This E-mail may contain proprietary information and may be confidential. You are to treat this material in accordance with your company's confidentiality policies and limit any distribution accordingly.

If you are not the intended recipient of this E-mail, you are hereby notified that any dissemination, distribution or copying of this message is strictly prohibited. If you received this message in error, please delete it immediately.